

Title (en)
Piston of internal combustion engine

Title (de)
Kolben für eine Brennkraftmaschine

Title (fr)
Piston pour un moteur à combustion interne

Publication
EP 0952326 A3 20000802 (EN)

Application
EP 99107178 A 19990413

Priority
• JP 11001898 A 19980421
• JP 25243798 A 19980907

Abstract (en)
[origin: EP0952326A2] A piston of an internal combustion engine, comprises a skirt portion in sliding-contact with a cylinder wall, an inner crown-plus-boss portion having a crown portion and piston-pin boss portions, and a stay portion interconnecting the skirt portion and the inner crown-plus-boss portion at a lower portion of the piston. Also provided is an annular partition groove through which a rim of the skirt portion and the inner crown-plus-boss portion are partitioned all around the circumference of the upper portion of the piston. A thermal-expansion absorption ring is tightly fitted into the annular partition groove in a gas tight-fashion. The top face of the inner crown-plus-boss portion, the flat face of the rim of the skirt portion, and the top wall of the thermal-expansion absorption ring serve as a piston crown. <IMAGE>

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F02F 3/00; **F02F 3/08**

IPC 8 full level
F01M 1/06 (2006.01); **F02F 3/00** (2006.01); **F02F 3/02** (2006.01); **F02F 3/08** (2006.01)

CPC (source: EP US)
F02F 3/02 (2013.01 - EP US); **F02F 3/08** (2013.01 - EP US); **F05C 2251/042** (2013.01 - EP US)

Citation (search report)
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• [A] GB 2107429 A 19830427 - AE PLC
• [A] GB 530570 A 19401216 - FRANK HUNTER CLAYTON, et al
• [A] DE 630440 C 19360528 - ELEKTRONMETALL GMBH

Cited by
US9359971B2; US9932930B2

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